

Converting Colors

$Yxy(32.8052, 0.2746, 0.4885)$

Have a look what the booklet for
Yxy(32.8052, 0.2746, 0.4885)
contains.

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Color

$\text{Yxy}(32.9402, 0.2745, 0.4886)$

Conversions

Conversions Part 1

Format	Color
Hex	1FB25E
RGB	31, 178, 94
RGB Percent	12%, 70%, 37%
CMY	0.8783, 0.3020, 0.6314
CMYK	0.83, 0.00, 0.47, 0.30
HSL	146°, 70%, 41%
HSV	146°, 83%, 70%
XYZ	18.5061, 32.9402, 15.9712
YIQ	124.4710, -60.6480, -57.2880

Conversions

Conversions Part 2

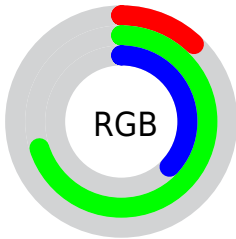
Format	Color
RYB	31, 134, 178
Decimal	2077278
CIELab	64.11, -55.51, 32.65
CIELCh	64, 64.403, 149.540
Yxy	32.9402, 0.2745, 0.4886
Android (android.graphics.Color)	4280267358 (0xFF1FB25E)
YUV	124.4710, -15.0222, -81.9741
Hunter-Lab	57.3936, -42.8828, 23.6765

Details

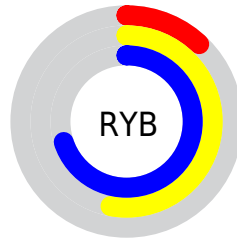
The Yxy color **32.9402, 0.2745, 0.4886** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.6850, 0.4307, 0.2293**, and the grayscale version is **20.3907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3755, 0.2844, 0.4522**, and **14.6048, 0.2826, 0.5373** is the 20% darker color. If you saturate the color by 10%, you get **32.5664, 0.2765, 0.5092**, and if you desaturate by 10%, it is **33.4933, 0.2744, 0.4668**.

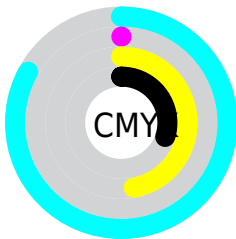
Distribution



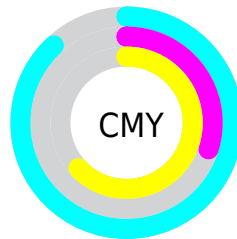
- Red (12%)
- Green (70%)
- Blue (37%)



- Red (12%)
- Yellow (53%)
- Blue (70%)



- Cyan (83%)
- Magenta (0%)
- Yellow (47%)
- Black (30%)





- Cyan (88%)
- Magenta (30%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9402, 0.2745, 0.4886 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 32.9402, 0.2745, 0.4886 by changing the saturation by 10% instead.


 32.9402, 0.2745,
0.4886


 32.9402, 0.2745,
0.4886


315.3802, 0.2985,
0.3977

 22.0806, 0.2664,
0.5153


 64.2822, 0.2846,
0.4526


 13.9162, 0.2546,
0.5522


 85.5333, 0.2880,
0.4400

 8.0624, 0.2360,
0.6053


 111.0172, 0.2906,
0.4297

 4.1349, 0.2054,
0.6904

 141.1181, 0.2928,
0.4211

 1.7493, 0.0691,
0.9309

 176.2204, 0.2946,
0.4139

 0.4553, 0.0000,
1.0000

216.7087, 0.2961,

 0.0000, 0.0000,

0.4077

0.0000

262.9671, 0.2974,
0.4023

■ 32.9402, 0.2745,
0.4886

■ 32.9402, 0.2745,
0.4886

■ 32.5664, 0.2765,
0.5092

■ 33.4933, 0.2744,
0.4668

■ 32.3673, 0.2788,
0.5235

■ 34.2446, 0.2761,
0.4446

■ 35.2146, 0.2795,
0.4227

■ 36.4203, 0.2843,
0.4016

■ 37.8768, 0.2901,
0.3819

■ 39.5980, 0.2966,
0.3638

■ 41.5968, 0.3036,
0.3473

■ 43.8850, 0.3109,
0.3325

■ 46.4740, 0.3181,
0.3194

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9402, 0.3668, 0.5154



32.9402, 0.2745, 0.4886



32.9402, 0.1977, 0.3863

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.9402, 0.2745, 0.4886



32.9402, 0.1759, 0.1859



32.9402, 0.4992, 0.3345

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.9402, 0.2745, 0.4886



11.6850, 0.4307, 0.2293

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.9402, 0.4304, 0.2711



32.9402, 0.2745, 0.4886



32.9402, 0.2352, 0.1901

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.9402, 0.2745, 0.4886



32.9402, 0.1499, 0.2125



32.9402, 0.3271, 0.2201



32.9402, 0.5027, 0.4033

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.9402, 0.2745, 0.4886



32.9402, 0.1656, 0.3111



32.9402, 0.3271, 0.2201



32.9402, 0.4828, 0.3125

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.9415, 0.2745, 0.4886



70.8629, 0.2947, 0.3688



35.7062, 0.3549, 0.5399



15.4579, 0.2924, 0.3751



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.9415, 0.2745, 0.4886



58.6910, 0.2793, 0.5247



34.8776, 0.2342, 0.3499



9.5485, 0.3060, 0.3423



23.1706, 0.2782, 0.5214



0.7408, 0.2624, 0.4646

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.6850, 0.4307, 0.2293



18.9252, 0.4664, 0.2348



10.6229, 0.5800, 0.3194



8.5839, 0.3201, 0.3161



7.4678, 0.4632, 0.2325



0.2464, 0.4136, 0.2052

Previews

White Background



This preview shows how the Yxy color 32.9402, 0.2745, 0.4886 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.9402, 0.2745, 0.4886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9402, 0.2745, 0.4886

Background



This preview shows how black text looks on a background with the Yxy color 32.9402, 0.2745, 0.4886.



This preview shows how white text looks on a background with the Yxy color 32.9402, 0.2745, 0.4886.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.9402, 0.2745, 0.4886

Protanopia

32.2021, 0.3940, 0.4293

Deuteranopia

32.1410, 0.4004, 0.3918



Tritanopia

32.7991, 0.2349, 0.3058

Trichromacy



Original Color

32.9402, 0.2745, 0.4886



Protanomaly

30.8209, 0.3339, 0.4581



Deuteranomaly

30.0217, 0.3366, 0.4294



Tritanomaly

32.6066, 0.2483, 0.3680

Monochromacy



Original Color

32.9402, 0.2745, 0.4886



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.3124, 0.2876, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9402, 0.2745, 0.4886 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(31, 178, 94)` looks like.

```
.text, #text, p{  
    color:rgb(31, 178, 94)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(31, 178, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 178, 94) }
```

Border

The CSS property to change the border of an element to Yxy 32.9402, 0.2745, 0.4886 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(31, 178, 94) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(31, 178, 94) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(31, 178, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 178, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 178, 94);  
box-shadow:4px 4px 4px 4px rgb(31, 178,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9402, 0.2745, 0.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 178, 94) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(31, 178,  
94) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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